



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

CGI Windows & Doors

10100 NW 25th Street

Miami, FL 33172

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "450 - Transom" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W98-38**, titled "Transom Lites for Swing Doors", sheets 1 through 5 of 5, dated 05/02/98 with revision G dated 11/07/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 11-0912.11 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
3/30/12

NOA No. 11-1110.02

Expiration Date: November 19, 2016

Approval Date: April 12, 2012

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W98-38**, titled Series "Transom Lites for Swing Doors", sheets 1 through 5 of 5, dated 05/02/98 with revision G dated 11/07/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a aluminum outswing door, prepared by Architectural Testing, Inc., Test Report No. **ATI-B5234.03-450-18**, dated 12/13/11, signed and sealed by Vinu J. Abraham, P.E. *(For reference only)*
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of a series 450 aluminum swing door w/sidelites and transom, prepared by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-0080-0304-11** dated 08/03/11 for specimens #1 through #15, signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0080-0402-02**, dated 4/1/02, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 03-0422.03)
4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94


Manuel Perez, P.E.
Product Control Examiner

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B. TESTS (CONTINUED)

4. (CONTINUED)

along with marked-up drawings and installation diagram of an aluminum in/out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-0080-912-97**, dated 09/23/97 thru 02/27/98 for specimen #1, 2, 3, 5A, 5B and 5C, signed and sealed by Timothy S. Marshall, P.E.

(Submitted under NOA No. 98-0608.21)

5. Tensile Test prepared by Metallurgical, Inc., Report No. 8CM-709, dated 04/02/98, for cold roll Aluminum samples, tested per ASTM E8, signed and sealed by Frank Grate, P. E.

(Submitted under NOA No. 98-0608.21)

6. Tensile Test prepared by Metallurgical, Inc., Report No. 8CM-709, dated 10/02/98, for cold roll Aluminum samples, tested per ASTM E-8 and Spectrographic analysis per ASTM E415, signed and sealed by Frank Grate, P. E.

(Submitted under NOA No. 98-0608.21)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 08/31/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

2. Glazing complies with ASTM E1300-04.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont SentryGlas® Interlayer" dated 08/25/11, expiring on 01/14/17.

2. Notice of Acceptance No. 08-1224.04 issued to Solutia, Inc. for their "Saflex Composites Glass Interlayer with PET Core" dated 02/25/09, expiring on 12/11/13.

3. Notice of Acceptance No. 11-0325.05 issued to Solutia, Inc. for their "Saflex and Vanceva clear and color interlayers" dated 05/05/11, expiring on 05/21/16

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated 01/17/12, signed and sealed by Javad Ahmad, P. E.

2. Laboratory compliance letter for Test Report No. ATI-B5234.03-450-18, issued by Architectural Testing, Inc., dated 12/13/11, signed and sealed by Vinu J. Abraham, P.E.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 11-1110.02

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CGI Windows & Doors

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3. Laboratory compliance letter for Test Report No. **HTL-0080-0304-11**, issued by Hurricane Test Laboratory, Inc., dated 08/03/11, signed and sealed by Vinu J. Abraham, P. E.
4. Laboratory compliance letter for Test Report No. **HTL-0080-0402-02**, issued by Hurricane Test Laboratory, Inc., dated 11/26/02, signed and sealed by Vinu J. Abraham, P. E. *(Submitted under NOA No. 03-0422.03)*
5. Laboratory compliance letter for Test Report No. **HTL-0080-912-97**, issued by Hurricane Test Laboratory, Inc., dated 09/23/97, signed and sealed by Timothy Marshal, P. E. *(Submitted under NOA No. 98-0608.21)*
6. Laboratory compliance letter for Test Report No. **8CM-709**, issued by Metallurgical, Inc., dated 0402/98, signed and sealed by Frank Grate, P. E. *(Submitted under NOA No. 98-0608.21)*

G. OTHERS

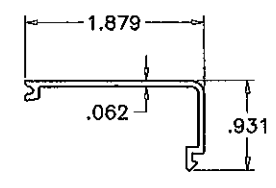
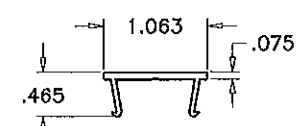
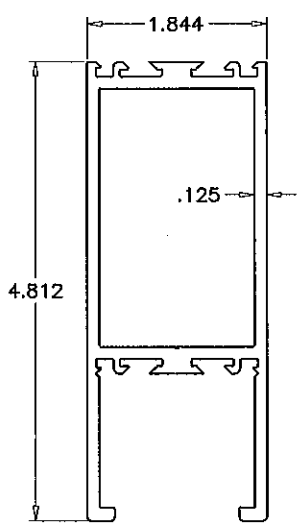
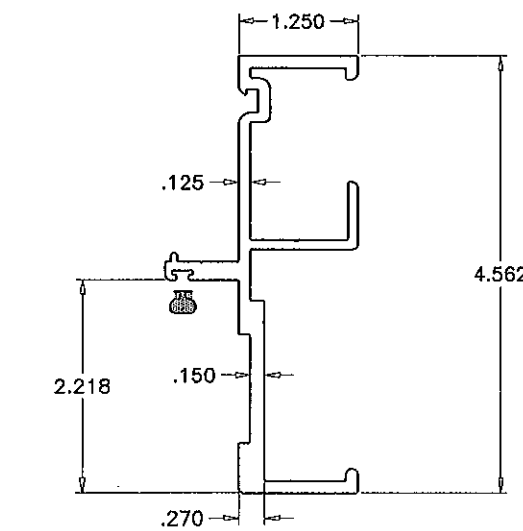
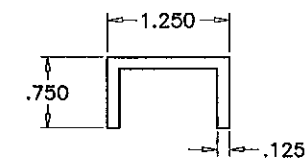
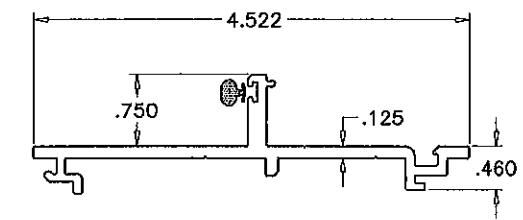
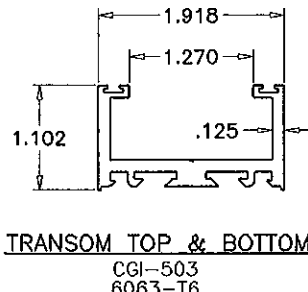
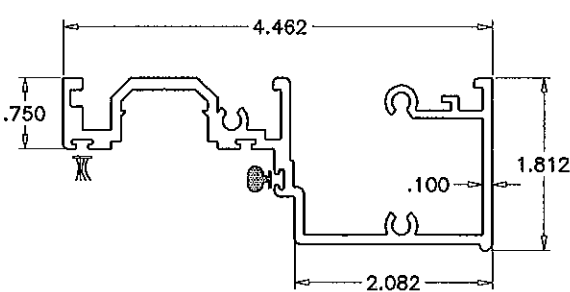
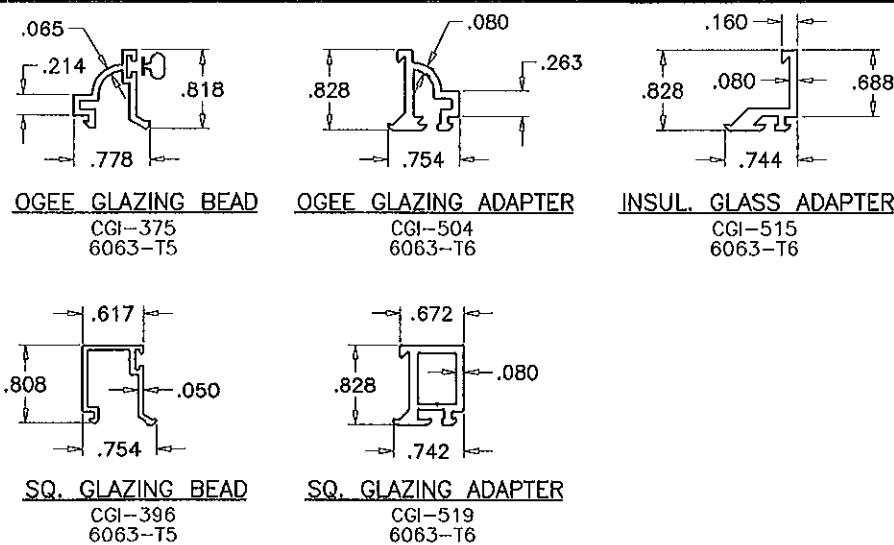
1. Notice of Acceptance No. **11-0912.11**, issued to CGI Windows & Doors, Inc. for their Series "450 – Transom" Aluminum Fixed Window – L.M.I., approved on 12/01/11 and expiring on 11/19/16.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 11-1110.02

Expiration Date: November 19, 2016

Approval Date: April 12, 2012



NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

TRANSOMS ARE RATED FOR LARGE AND SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

JAN 9 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1110.02
Expiration Date Nov. 19, 2016

By *Mamun Siraj*
Miami Dade Product Control

af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W98-38CGI

TRANSOM LITES FOR SWING DOORS

CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL (305) 593-6590 FAX (305) 593-6592

no	date	by	description
E	07.07.09		UPDATED FOR 2007 FBC
F	08.26.11		GENERAL REVISION
G	11.07.11		REV. PER BNC COMMENTS

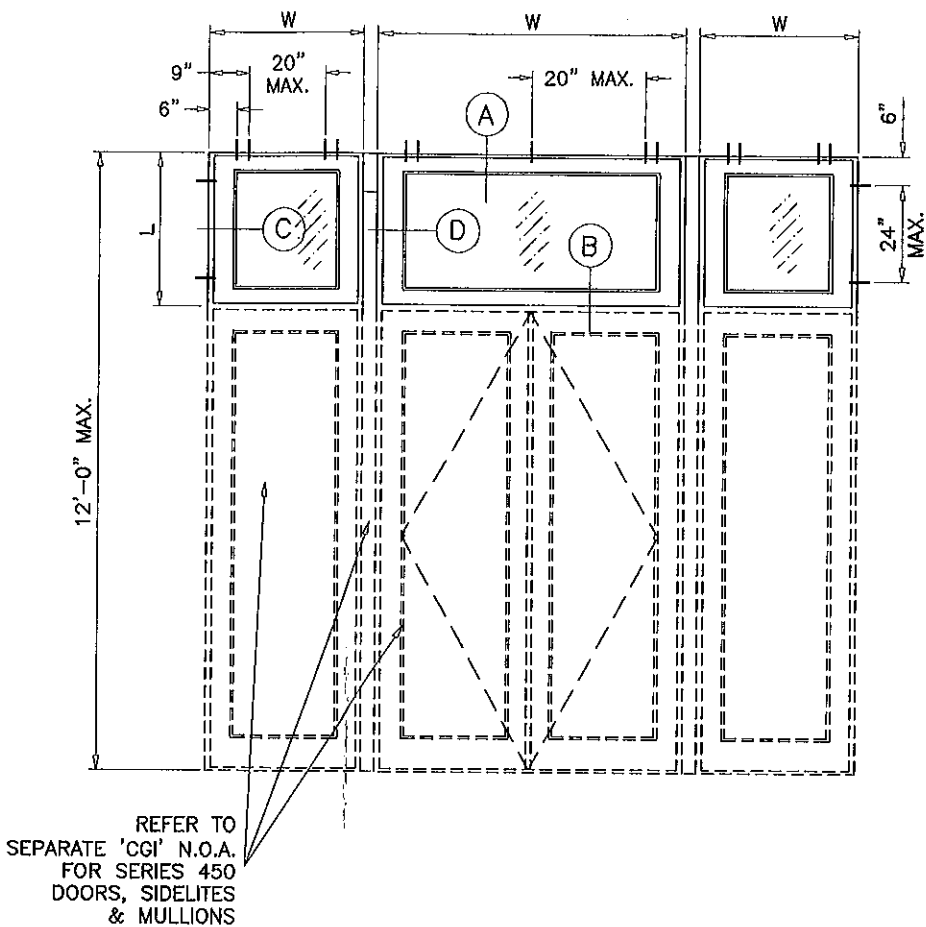
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dr. by: HAMID
chk. by:

drawing no.
W98-38

sheet 1 of 5

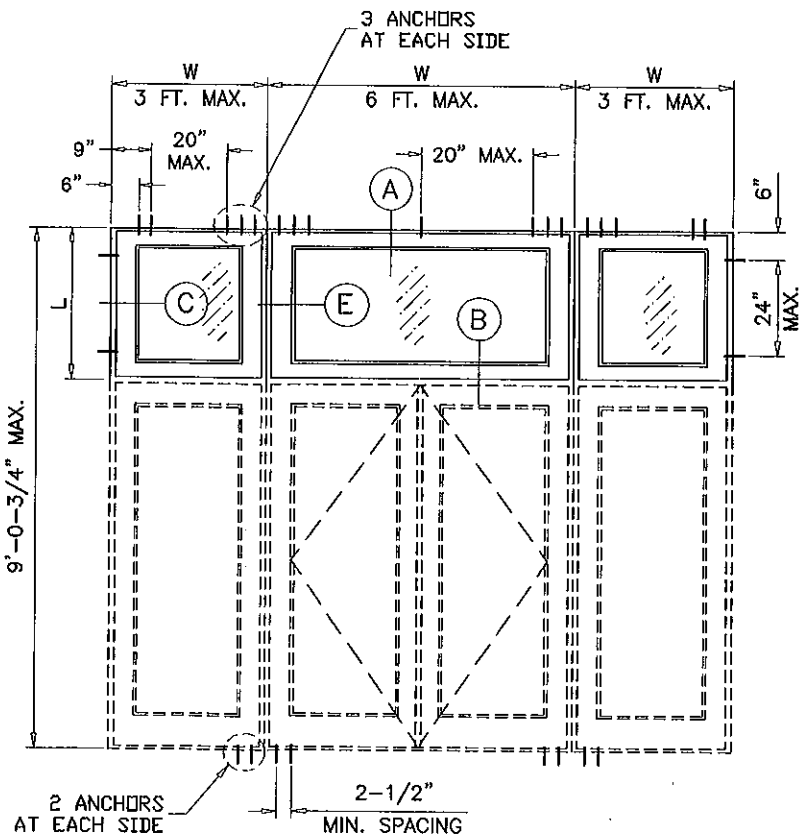
TRANSOM LITE LOAD CAPACITY - PSF							
NOMINAL DIMS.		GLASS TYPE 'A'		GLASS TYPE 'A1'		GLASS TYPES 'B' & 'B1'	
WIDTH W-IN.	HEIGHT L-IN.	7/16" & 1" COMPOSITE PANELS EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36	24	100.0	110.0	70.0	70.0	90.0	90.0
42		100.0	110.0	70.0	70.0	90.0	90.0
48		100.0	110.0	70.0	70.0	90.0	90.0
54		100.0	110.0	70.0	70.0	90.0	90.0
60		100.0	110.0	70.0	70.0	90.0	90.0
66		100.0	107.6	70.0	70.0	90.0	90.0
72	30	90.3	90.3	70.0	70.0	90.0	90.0
36		100.0	110.0	70.0	70.0	90.0	90.0
42		100.0	110.0	70.0	70.0	90.0	90.0
48		100.0	110.0	70.0	70.0	90.0	90.0
54		100.0	110.0	70.0	70.0	90.0	90.0
60		100.0	110.0	70.0	70.0	90.0	90.0
66		100.0	103.6	70.0	70.0	90.0	90.0
72		86.8	86.8	70.0	70.0	90.0	90.0
36	36	100.0	110.0	70.0	70.0	90.0	90.0
42		100.0	110.0	70.0	70.0	90.0	90.0
48		100.0	110.0	70.0	70.0	90.0	90.0
54		100.0	110.0	70.0	70.0	90.0	90.0
60		100.0	110.0	70.0	70.0	90.0	90.0
66		100.0	100.3	70.0	70.0	90.0	90.0
72		83.6	83.6	70.0	70.0	86.1	86.1
36	42	100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0
48		85.7	94.3	70.0	70.0	85.7	90.0
54		85.7	94.3	70.0	70.0	85.7	90.0
60		85.7	89.8	70.0	70.0	85.7	89.8
36	48	100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0
48		75.0	82.5	70.0	70.0	75.0	82.5
54		75.0	82.5	70.0	70.0	75.0	82.5
36	54	100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0
48		75.0	82.5	70.0	70.0	75.0	82.5
36	60	100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



TRANSOM WIDTH	D.L. OPG. WIDTH
36"	24-7/8"
42"	30-7/8"
48"	36-7/8"
54"	42-7/8"
60"	48-7/8"
66"	54-7/8"
72"	60-7/8"

TRANSOM HEIGHT	D.L. OPG. HEIGHT
12"	7-3/8"
18"	13-3/8"
24"	19-3/8"
30"	25-3/8"
36"	31-3/8"
42"	37-3/8"
48"	43-3/8"
54"	49-3/8"
60"	55-3/8"



P_{MAX} FOR THIS CONDITION = 72.3 PSF

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1110-02
Expiration Date Nov. 19, 2016
By *Mamuel Cruz*
Miami Dade Product Control

revisions:	no	date	by	description

date: 05-02-98	scale: 1/2" = 1"	dr. by: HAMID	chk. by:

drawing no.
W98-38

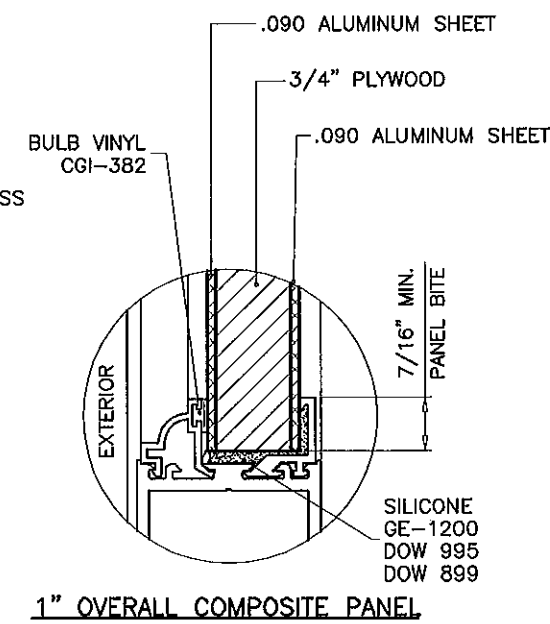
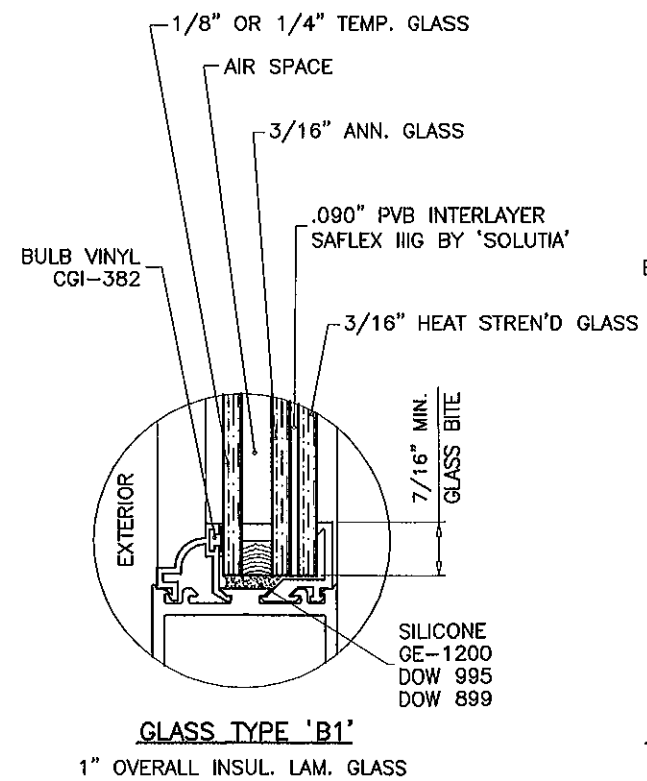
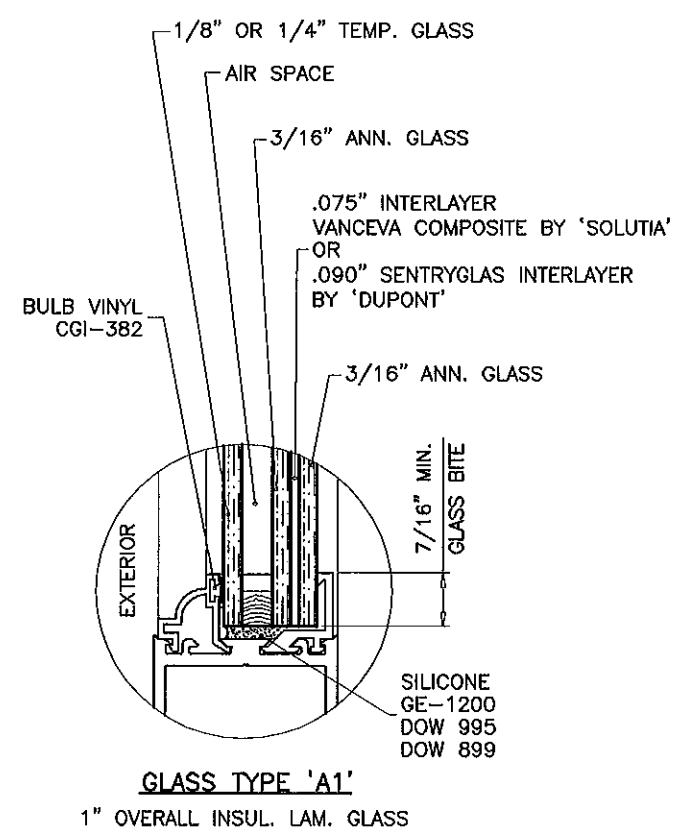
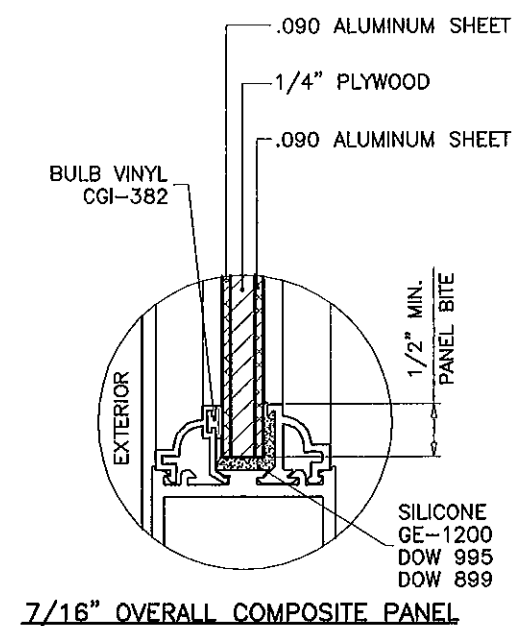
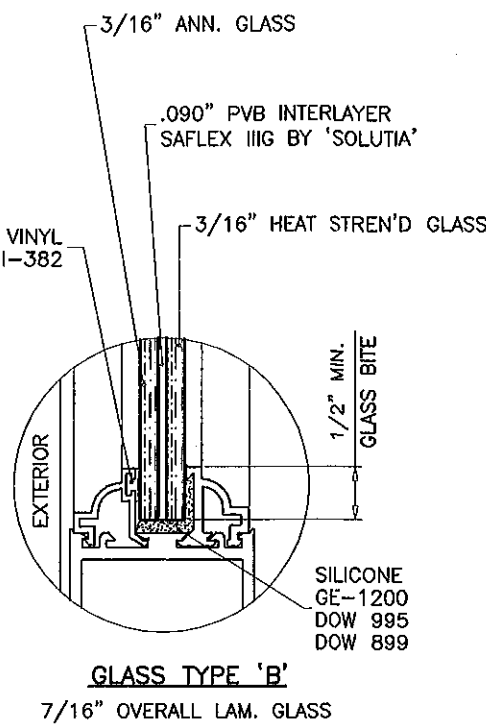
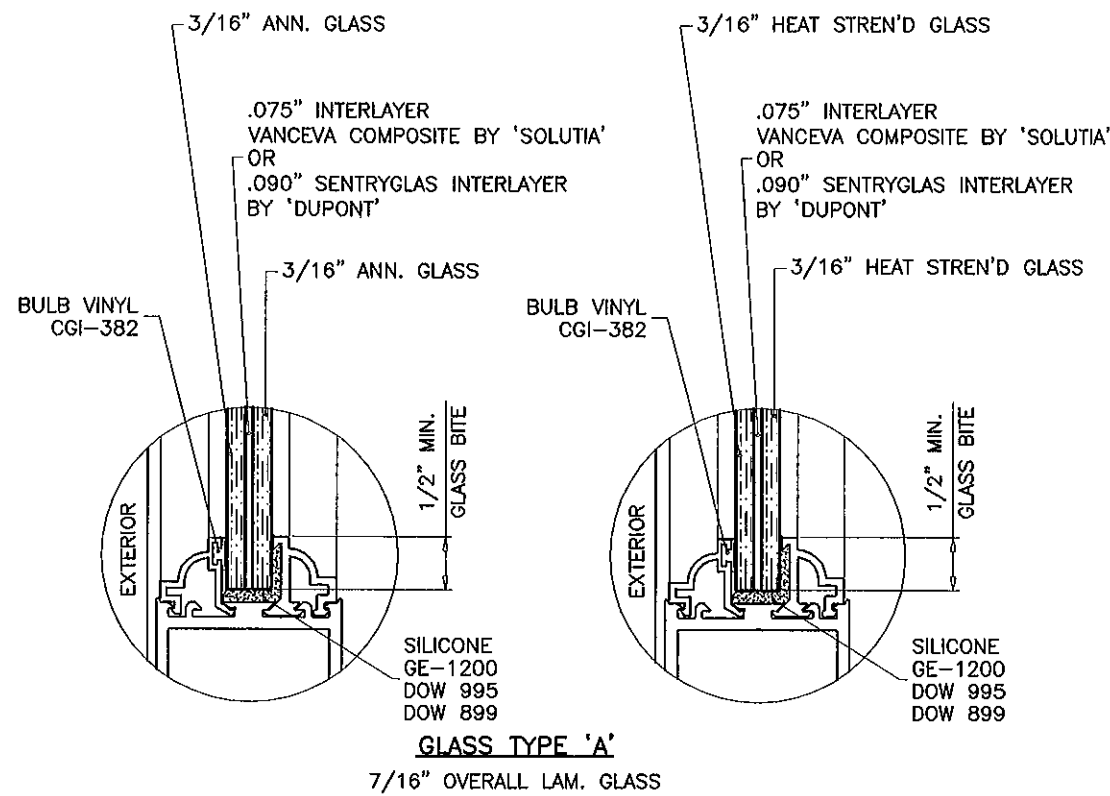
sheet 2 of 5

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COMP-ANL W98-38CGI



TRANSOMS CAN BE GLAZED USING SQUARE OR OGEE GLAZING BEADS/ADAPTERS

GLAZING OPTIONS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3838

[Signature]
JAN 19 2012

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By *[Signature]*
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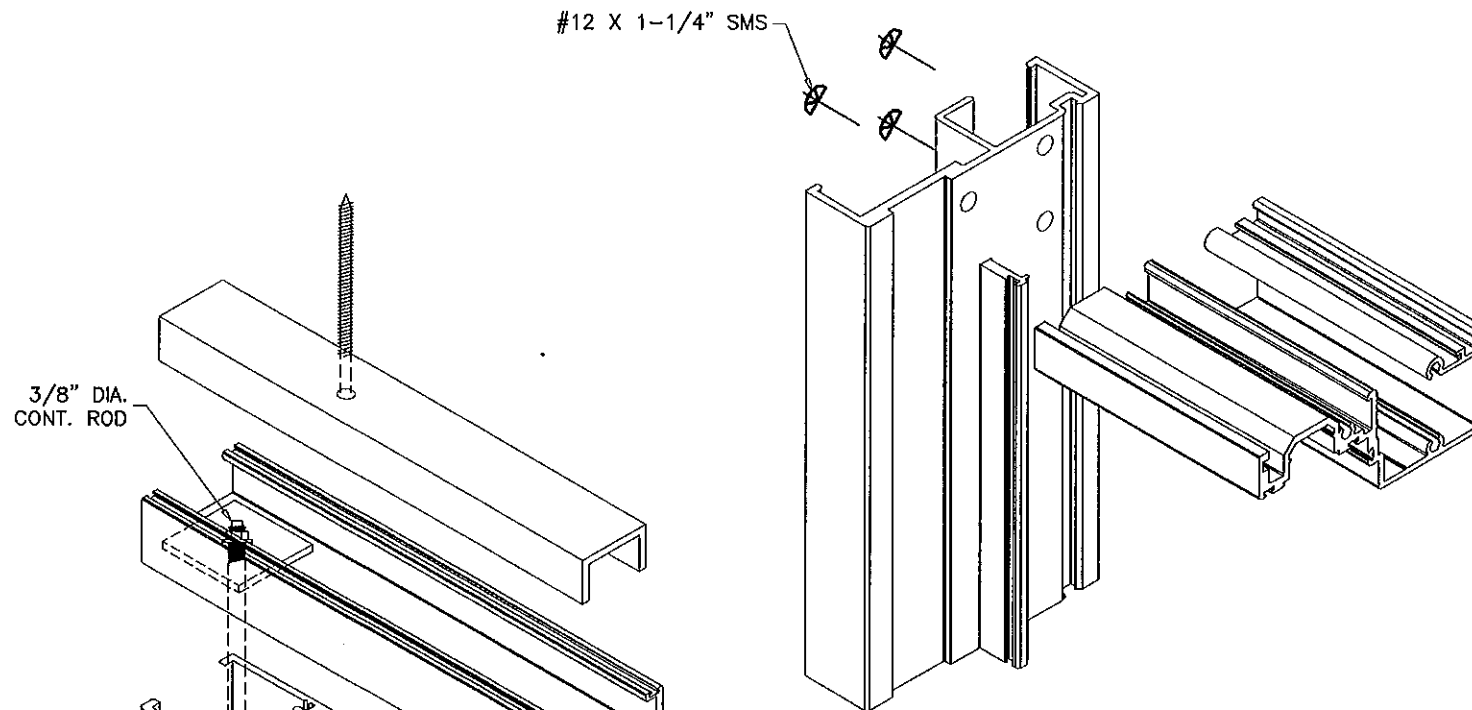
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revisions:	
no	date by description
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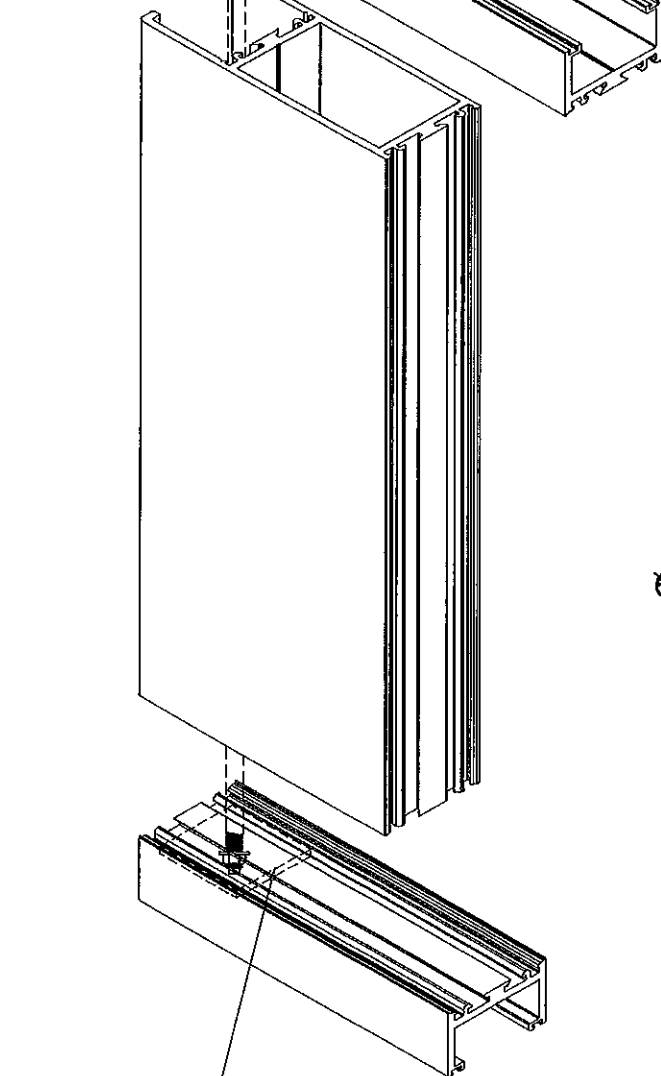
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drawing no. **W98-38**
sheet 3 of 5

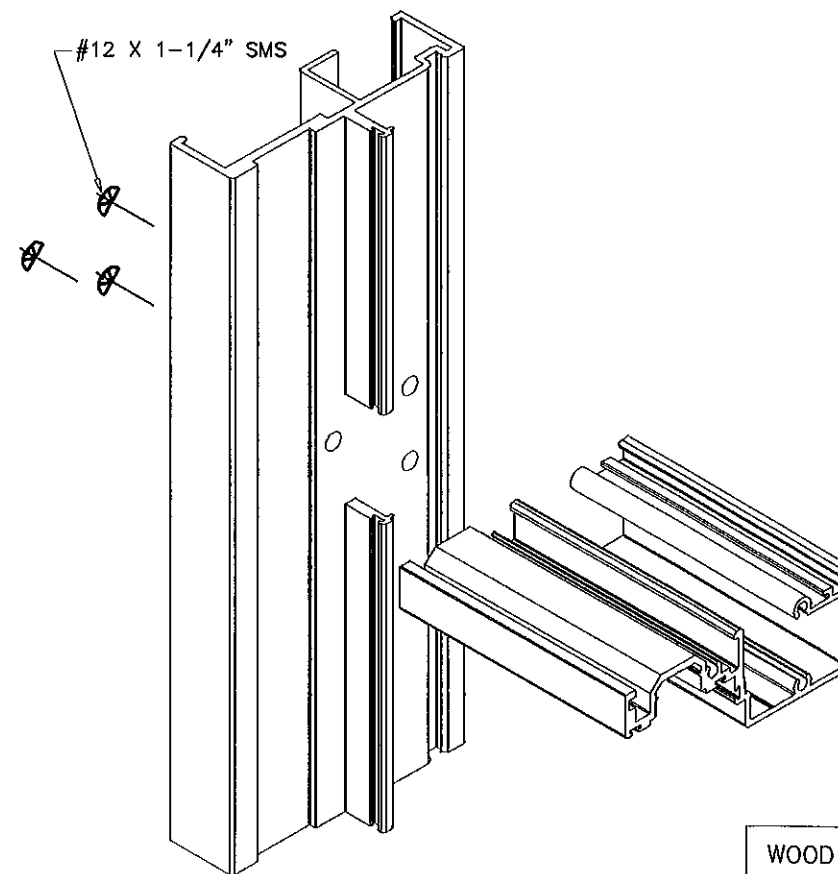


FRAME CORNER DETAIL

ALL CORNERS TO BE SEALED WITH
LOW MODULUS SILICONE SILPRUF OR EQUIVALENT



PANEL CORNER DETAIL

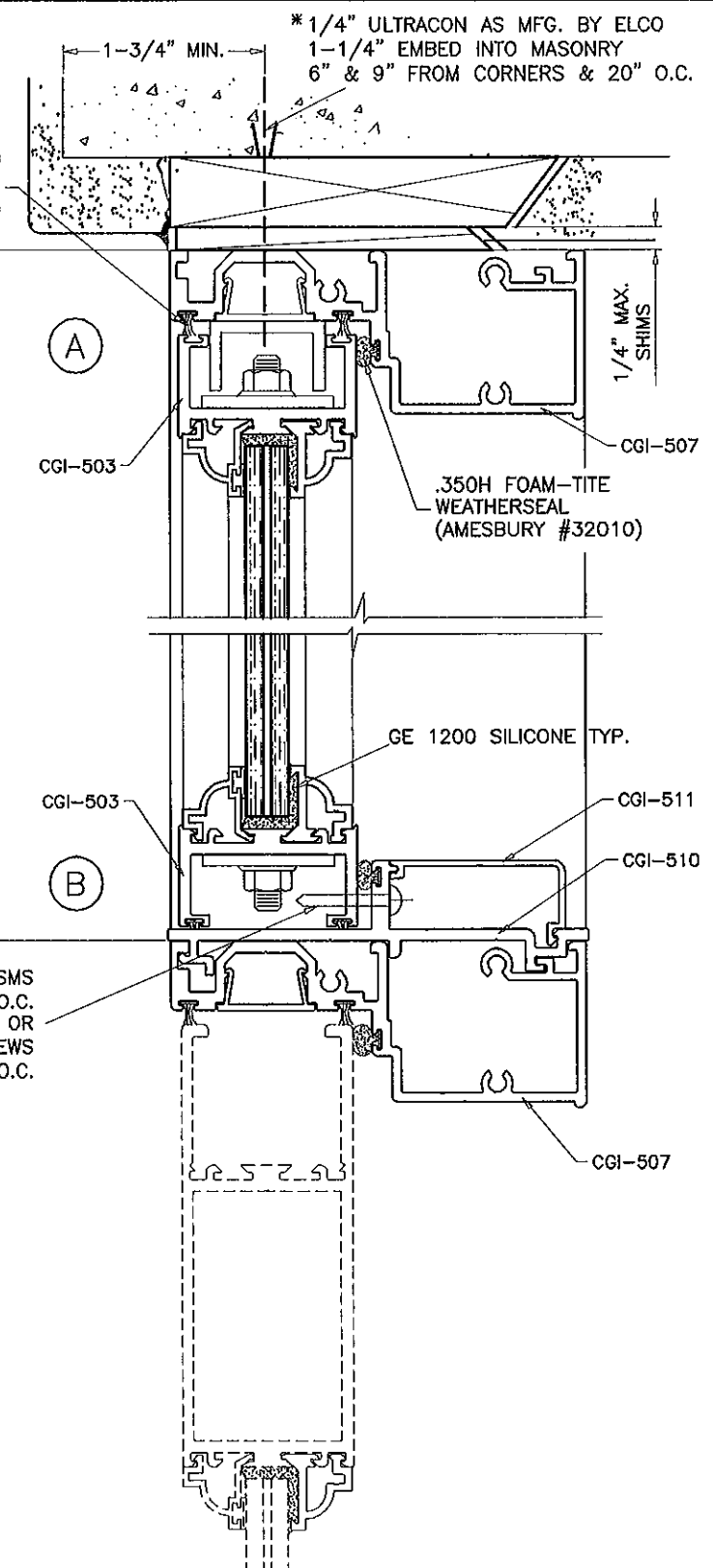


TRANSOM CORNER DETAIL

* NOTE:
ANCHORS MAY ALSO BE
DIRECTLY TO MASONRY
WITH 1/4" MAX. SHIM SPACE

.320H WOOL PILE W/ CENTERFIN
WEATHERSEAL
(ULTRAFAB #3032)

EXTERIOR
TRANSOM HEIGHT



#10 X 1" SMS
@ 6" FROM ENDS & 12" O.C.
OR
3/16 X 1" KWIK-FLEX S.D. SCREWS
@ 6" FROM ENDS & 12" O.C.

WOOD BUCKS NOT BY C.G.I., MUST SUSTAIN LOADS
IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM
TO THE BUILDING STRUCTURE.

Engr: JAVAD AHMAD
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afc

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date:	05-02-98
scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

drawing no.
W98-38

sheet 4 of 5

af

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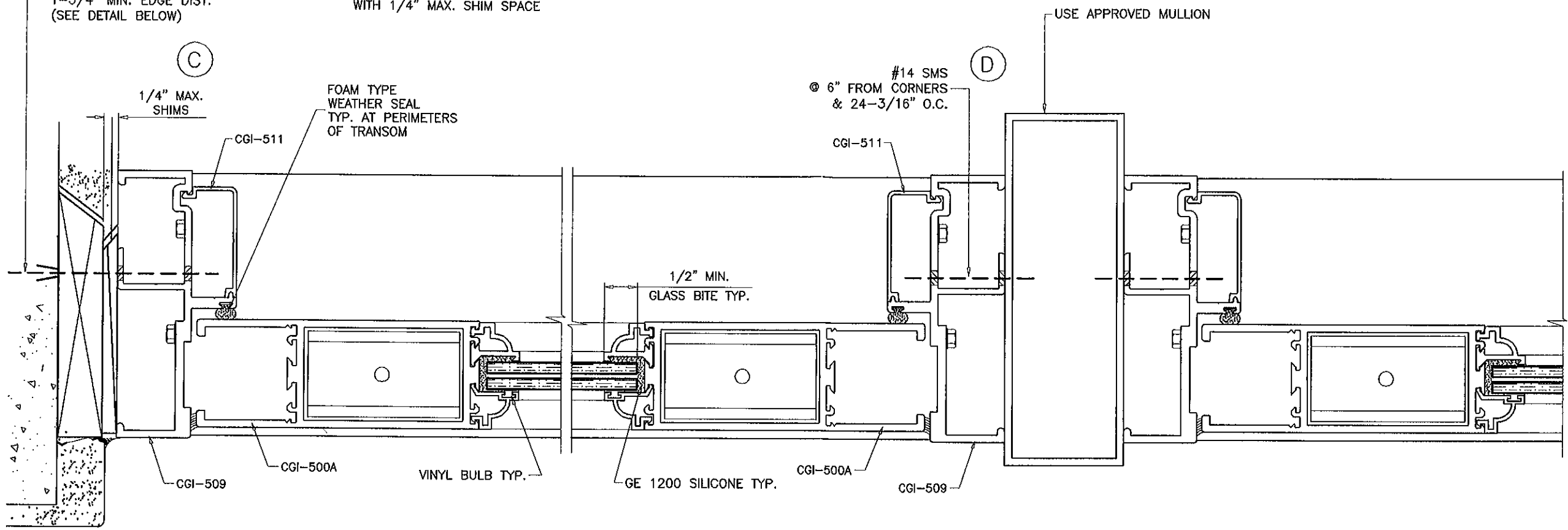
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		E	07.07.09		UPDATED FOR 2007 FBC
		F	08.26.11		GENERAL REVISION
		G	11.07.11		REV. PER BNC COMMENTS
date:	05-02-98	scale:	1/2" = 1"	dr. by:	HAMID
				chk. by:	
drawing no. W98-38					
sheet 5 of 5					

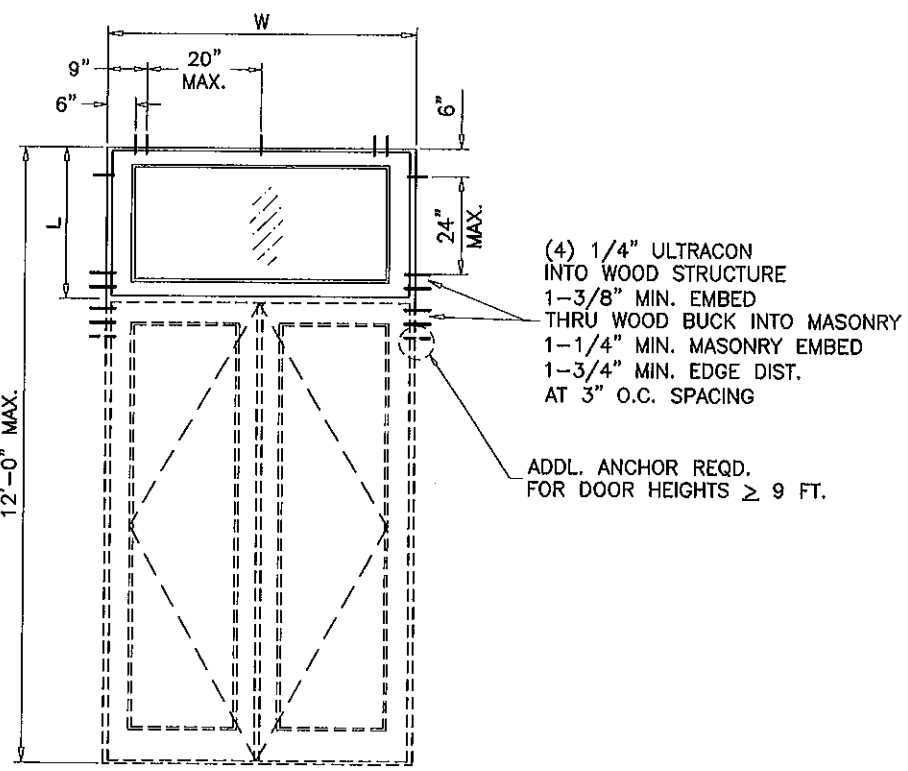
COMP-ANL\W98-38CGI

* 1/4" ULTRACON
1-1/4" EMBED INTO MASONRY
6" FROM CORNERS & 24-3/16" O.C.
1-3/4" MIN. EDGE DIST.
(SEE DETAIL BELOW)

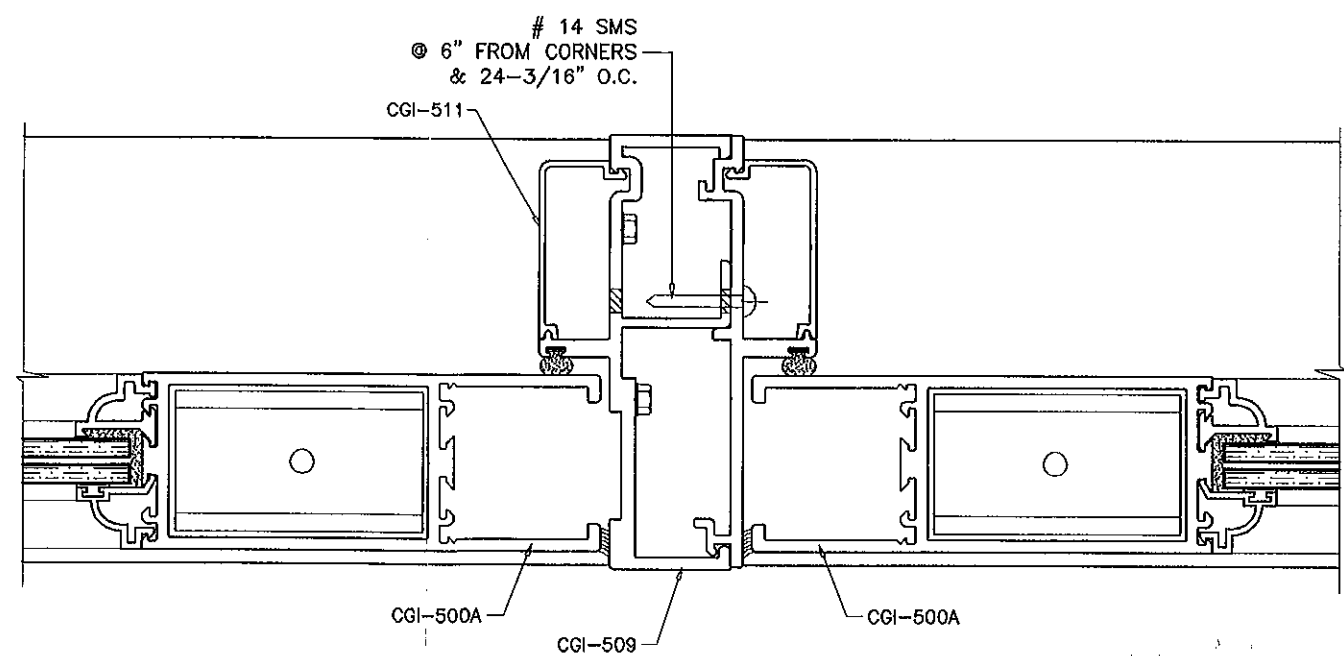
* NOTE:
ANCHORS MAY ALSO BE
DIRECTLY TO MASONRY
WITH 1/4" MAX. SHIM SPACE



EXTERIOR



ANCHORING DETAIL FOR TRANSOM ENDS
FOR TRANSOMS WITHOUT SIDELITES
AND XX DOORS BELOW



NOTES:

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
1-3/4" MIN. EDGE DISTANCE INTO CONC. & MASONRY
3/4" MIN. EDGE DISTANCE INTO WOOD

CONCRETE f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
JAN 19 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **11-1110.02**
Expiration Date **NOV. 19, 2016**
By *Mamun Dey*
Miami Dade Product Control